Honeywell

Quick Start Guide

Touchscreen Thermostat

RTH9585ZW

Welcome

Getting set up and ready is simple.

1 Install your thermostat

2 Set up your thermostat

3 Connect thermostat to the Z-Wave network.

Before you begin

Gather:
- Small screw driver
- Drill (if needed)

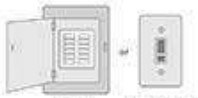
Need Help?
For assistance with the product please visit **http://yourhome.honeywell.com** or call Honeywell Customer Care toll-free at **1-800-468-1502**.

1 Install your thermostat

1.1 Switch OFF power to your heating/cooling system

1.1a **Important!** To protect your equipment, switch OFF the power to your heating/cooling system at the breaker box or the system switch.

1.1b Confirm power is OFF. Try to turn on heating/cooling equipment by changing temperature on your old thermostat. Your power is OFF if your system does not turn ON.



This thermostat works with common 24 volt systems such as forced air, hydronic, heat pump, oil, gas, and electric.
It will not work with millivolt systems, such as a gas fireplace, or with 120/240 volt systems such as baseboard electric heat.

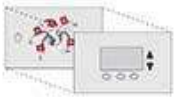
1.2 Remove old thermostat faceplate and leave wires connected

1.2a Take a picture of the wire connections for later reference.

1.2b If no wire is connected to a terminal labeled C or no C terminal exists on the old thermostat, call 1-800-468-1502 for wiring assistance.

Important! C wire is required and is the primary power source for your thermostat. Without a C wire, your thermostat will not power up.

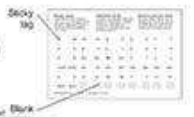
If you have an older thermostat with a sealed mercury tube, see warning page for proper disposal instructions.



1.3 Label wires

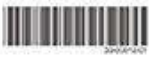
Do not label by wire color.
Use the supplied sticky tags to label each wire as you disconnect it. Label wires according to old thermostat terminal designations, not by wire color.

Note: If no tag matches a terminal designation, write the appropriate letter on a blank sticky tag.



1.4 Remove wallplate

Remove the old wallplate from the wall after all wires are labeled and disconnected.



Automation and Control Solutions

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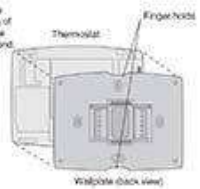
Golden Valley, MN 55422

1.5 Separate Z-Wave thermostat and its wallplate

On your new thermostat, grasp the finger holds on the top and bottom of the wallplate with one hand and the thermostat (front) with the other hand. Pull pieces apart.

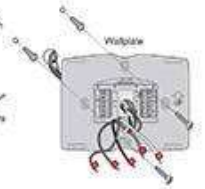


1.6 Mount wallplate for Z-Wave thermostat

Mount your new wallplate using screws and anchors included with the thermostat.

If necessary:
- Drill 3/16-in holes for drywall
- Drill 7/32-in holes for plaster

Note: You may be able to use your existing wall anchors. Hold the wallplate up to the existing anchors to check for alignment.



1.7 Connect wires

1.7a Starting with the C Wire, match the sticky tag on the wire to the terminal labels.

Important! C wire is required and is the primary power source. Without a C wire, your thermostat will not power up.

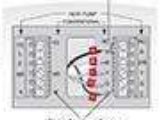
1.7b Loosen screw, insert wire on inside edge of terminal, then tighten screw.

1.7c Verify wire is firmly secured by gently pulling on wire.

1.7d Repeat steps 1.7a-1.7c for all other wires.

1.7e Push any excess wire back into the wall opening after all wires are installed.

Remove metal jumper **only** if you have both **R** and **RC** wires



Note: The wiring for your application might be different than the wiring from above.

Labels don't match or have heat pump system?
See User Guide

1.8 Remove battery tab

The thermostat is shipped from the factory with the coin cell installed. To keep the battery from discharging during shipment and storage, the thermostat is shipped with a plastic tab inserted in the battery holder. Simply pull the plastic tab out of the battery tray. Make sure that the battery tray is fully inserted into the thermostat.

1.9 Attach thermostat to wallplate

Align the thermostat onto wallplate and snap into place.

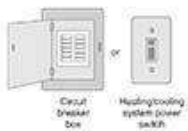
1.10 Switch heating/cooling system ON

Important!

1.10a Verify that the C wire is connected at the thermostat and at the heating/cooling system.

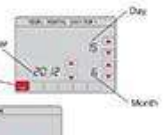
1.10b Make sure the heating/cooling system door is firmly secured.

1.10c Switch power back ON for your heating/cooling system at the breaker box or its power switch.



1.11 Set date and time

1.11a Touch ▲ or ▼ button to change displayed time and date.

1.11b Press and hold an arrow to quickly change a setting.

1.11c Press **DONE** to save changes.